

## ABSTRACT

A water irrigation system may include a computer system, a sensing unit, an irrigation controller, and/or a water delivery system. The sensing unit may communicate with the computer system. The sensing unit may include a solar panel. Electricity from the solar panel may be supplied to the sensing unit. The computer system may receive community irrigation instructions. The computer system may control irrigation of a zone to be irrigated at least partially based on the community irrigation instructions. A method of controlling irrigation may include receiving sunlight with a solar panel, using the received sunlight to produce electricity, and providing at least a portion of the produced electricity to a part of the water irrigation system. The method may further include receiving community irrigation instructions and controlling irrigation of a zone to be irrigated by the water irrigation system at least partially based on the community irrigation instructions.

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